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PUBLISHED BY AUTHORITY

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No. 16] NEW DELHI, SATURDAY, APRIL 22, 1995 (VAISAKHA 2, 1917)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

CALCUTTA, 22ND APRIL 1995

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The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch, 61, Wallajah Road, Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office), "NIZAM PALACE", 2nd M. S. O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 22 अप्रैल 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405; तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य बनादेय अथवा जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part III, Section 2 dated 16-03-1995 to be notified on 15-04-1995 delete patent No. 173702.

In part III Section 2 of the Gazette of India List No. 47/94 dated 19th November 1994 under the heading "Complete Specification Accepted" the name of the Applicants in respect of the Patent No. 174362 (289)/Cal/90) as appeared as;

"CLARENCE SEXTON FREEMAN", a citizen of United States of America of 16242 Katherin Lane, Channelview, Texas 77530, United States of America,

shall be read as :

WATERGUARD INDUSTRIES, INC., A corporation chartered under the laws of the State of Delaware, United States of America, of P.O. Box 1079, Channelview, Texas 77530, United States of America.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent Bracket are the date claimed under section 135, of the patent Act, 1970.

24th February 1995

196/Cal/95 SKW Trostberg Aktiengesellschaft. Process for the production of calcium cyanamide from urea.

28th February 1995

197/Cal/95. The Indian Association for the cultivation of science process for making blends of conducting polyaninline nanoparticles and noncinducing polymer leading to low percolation threshold.

198/Cal/95. Harris Corporation. Multi processing and direct routing of signalling protocols in voice communication channels.

199/Cal/95. Harris Corporation. Cellular telephone fraud control system and method.

200/Cal/95. Baker Norton Pharmaceuticals, Inc., Composition for treatment of insulin resistance syndromes.

201/Cal/95. Connecteurs Cinch S.A., Female electrical contact member. (Convention No. 94.03281 dates 21-03-94 in France).

202/Cal/95. Connecteurs Cinch. Device for coupling two electrical connector housing members. (Convention No. 94.03283 dated 21-03-94 in France).

203/Cal/95. Thomson consumer electronics, Inc. Apparatus for detecting a synchroniation component in a satellite transmission system receiver. (Convention No. 315,516 dated 30-9-94 in U.S.A.).

204/Cal/95 Thomson Consumer Electronics, Inc. An audio/video/data component system bus. (Convention No. Nil dated 19th August 1994 in United States of America).

205/Cal/95. Wen-yuan Lee. Method for constructing a concrete floor of a structure and apparatus used therein.
(Convention No. 83111954 dated 20-12-94 in Taiwan).

206/Cal/95. (1) fBerns Hansen, (2) Optoconsult AG. Package for medicinal products. (Convention No. P 4408394.7 dated 12-3-94 in Germany).

207/Cal/95. Bernd Hansen. Device for sterile filling of containers. (Convention No. P4409617.8 dated 21-3-94 in Germany).

208/Cal/95. Krone Aktiengesellschaft. Housing for optical components. (Convention No. P4415218 dated 26-4-94 in Germany).

209/Cal95. Hoechst Aktiengesellschaft. Black fiberreactive azo dye mixtures and use thereof for dyeing hydroxy-and/or carboxamido containing fiber material. (Convention No. P4414320.6 in Germany dated 25-4-94).

210/Cal/95. Hoechst Aktiengesellschaft. Mixtures of fiberreactive dyes and use thereof for dyeing fiber materials. (Convention No. P4415313.9 dated 2-5-94 in Germany).

211/Cal/95. KSB Aktiengesellschaft. White cast iron resistant to corrosion and wear. (Convention No. P4409278.4 dated 18-3-94 in Germany).

212/Cal/95. Personal products Company. Methods and apparatus for making multi-layer. (Convention No. 203127 dated 2-3-94 in U.S.A.).

213/Cal/95. Jean Frederic Melchior. Liquid fuel injection devcie for a diesel engine and diesel engine comprising this device.

214/Cal/95. Scitex America Corporation. A system for implanting an image into a video stream.

215/Cal/95. Zinser Textilmaschinen GMBH. Transport and reversing system of a flyer frame.
(Convention No. Nil dated 19-12-94 in Germany).

216/Cal/95. Siemens Aktiengesellschaft. Method and devcie for producing a uniform voltage distribution of series-connected gate-controlled semicon ductors. (Convention No. Nil date Nil in Germany).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

2-1-1995

1/BOM/95. Bhausaheb Bapurao Nikam. Improvements in or relating to shredding mechanism in the sugarcane crushing mill.

2/BOM/95. Gujarat State Fertilizers Co. Ltd. A process of manufacturing of moldable alloys and alloys based glass fibre reinforced composites of nylon-6.

3/BOM/95. Gujarat State Fertilizers Co. Ltd. A process of manufacturing nylon-6 alloys and alloys based composites.

4/BOM/95. Yashwant Gopal Ghaisas. A vertical plant for powder coating and curing (baking) of coated articles.

5/BOM/95. Kali Prasad Poddar. Developed sheet pasting machine.

3-1-1995

6/BOM/95. Guntnur Ramalingajah Chetty Manjunath. A method of refining grade oils and monoglycerides and an apparatus for carrying out the said method.

7/BOM/95. Abhijeet Janardan Mural, Ajit Dattatray Shringarpure Ajay Nandkumar Palkar. Am improved column oven for high performannce liquid chromatography.

4-1-1995

8/BOM/95. Mastercard International Inc. System and method for conducting cashless transactions.

9/BOM/95. Armour Chemicals Ltd. An improved process for the preparation of alkyl pyrazines from diols and diamines.

5-1-1995

10/BOM/95. Balkrishna Dattatray Kamat & Asha Balakrishna Kamat. Australia Priority dated 4-3-94. A chess like game.

6-1-1995

11/BOM/95. Sanjay Raja, Paresh N. Raja, Shilpan P. Patel, Digvijay fB. Kapadia. A process of securiscan-heat activated printed plastic sheet for detecting forgery.

12/BOM/95. Dr. C. P. Vibhute. Separation of zirconium and hafnium from monazite sand.

13/BOM/95. Dr. C. P. Vibhute & N. Ravichander. Flow chart for the manufacture of fluid fertilizer.

9-1-1995

14/BOM/95. Vinay Kumar Shridhar & Vinod Kumar Verma. An improved energy saver speed regulator for fan and the like.

10-1-1995

15/BOM/95. Dr. Prnab Dastidar. A static mouse.

11-1-1995

16/BOM/95. J.B. Chemicals & Pharmaceuticals Limited. A process for preparation of controlled release formulations of ranitiding.

17/BOM/95. J. B. Chemicals & Pharmaceuticals Limited. A process for preparation of controled release formulations of ranitiding.

12-1-1995

18/BOM/95. Dr. Biraja Bilash Paul. Continuous vacuum pan consisting of three concentric calendries and single water entry multijet condenser, which are applicable in sugar Industry.

19/BOM/95. Dr. Biraja Bilash Paul. A system design for optimal use of heating surface and thermal energy in evaporator pan and juice heaters with bled vapour applicable in the sugar industry.

20/BOM/95. Anuj Kumar Baradia. An improved double filament lighting lamp.

13-1-1995

21/BOM/95. Essel Packaging Limited. An ultrasonic apparatus for welding of thermoplastic sheets/layers.

22/BOM/95. SOMOS GmbH. An apparatus for drying particulate materail.

16-1-1995

23/BOM/95. Shamraj Madhusudan Marudgan. A condensor for use in the sugar Industry in the process of convertiug sugar cane juice/beet juice into crystal sugar.

24/BOM/95. Vijaykumar Baburao Wankhede. Herb care herbal hair oil.

17-1-1995

25/BOM/95. Ghansyam Shankar Tasgaonkar. Gyser for stoves.

26/BOM/95. Bhagirath R. Shastri. Motion achieved with the help of magnetism.

27/BOM/95. Bhagirath R. Shastri. Motion achieved with the help of ball filled with air in fluid.

18-1-1995

28/BOM/95. Ramesh Nana Mhatre. An improved diffuser for central air conditioning system and method of manufacturing the same.

29/BOM/95. Haresh Chhotalal Mehta. Box with projected tabs with improved stability.

19-1-1995

30/BOM/95. Ghansyam Shankar Tasgaonkar. Hybrid refrigeration condenser.

20-1-1995

31/BOM/95. S. G. Kulkarni. The processes of cellular rigid P.V.C. polytimber to replace 'Natural Wood'.

32/BOM/95. Harrogate Holdings Ltd. Transdermal drug delivery system.

23-1-1995

33/BOM/95. Raghuvir Singh Hada. Gravity power generator.

24-1-1995

34/BOM/95. Vijaykumar Baburao Wankhede. Herb card pain balm.

35/BOM/95. Taraprakash Prabhakar Vartak & Poulo Jorge Salomao Junior. An improved process/apparatus for separation of suspended solids from liquid.

25-1-1995

36/BOM/95. Hindustan Ciba-Geigy Ltd. Substituted 4, 6 diamino-5-cyanopy-rimidines and process for preparation thereof.

37/BOM/95. Ebrahim Adam. An improved water filter device.

38/BOM/95. Ebrahim Adam. An improved air tight lid for container.

27-1-1995

39/BOM/95. Deepak Sharad Kulkarni & Sudheer Motilal Mangudkar. Controllable osoillating and revolving means for a table or pedestal fan.

40/BOM/95. Madhav Pandharinath Kamatkar. Active and passive immunity substances as a vaccine against syphilis, hepatitis B & aids and process to manufacture the same from part of a cononut palm (cocos nucifera).

41/BOM/95. J.B. Chemicals & Pharmaceuticals Ltd. Controlled release nifedipine formulations.

42/BOM/95. M/s. Lekar Pharma Pvt. Ltd. Topical formulations of metronidaole.

43/BOM/95. Dr. Biraja Bilash Paul. Manufacture of extra neutral spirit directly from fermented molasses comprising of the system design column, and conseration of thermal energy.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applictions concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice, or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्दश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

स्पष्टीकरण (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है); फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 63 I (LVII (1)) 175021

Int. Cl.: HO 2KI/00.

BRUSHLESS PERMANENT MAGET ROTARY DYNAMO CLECTRIC MACHINE.

Applicant: CLARK AUTOMOTIVE DEVELOPMENT LIMITED, A NEWZEALAND COMPANY OF LEVEL 4, BROADWAY CENTRE 239, BROADWAY, NEW-MARKET, AUCKLAND, NEW ZEALAND.

Inventor: CLARK PETER BRUCE.

Application for Patent No. 766/DEL/88. filed on 12th September 1988.

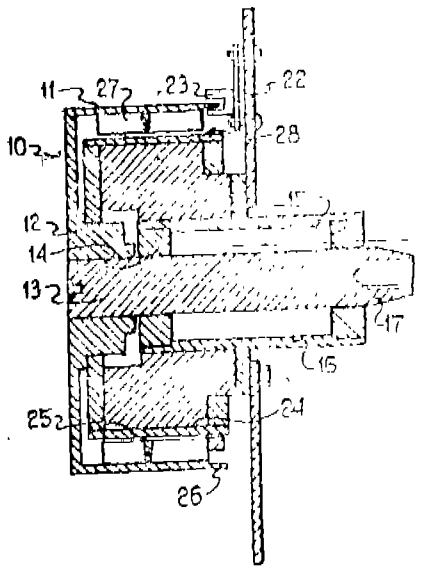
Convention date: 15-09-87./221822/N.Z.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A brushless permanent magnet rotary dynamo electric machine having at least one generally cylindrical stator (16) and at least one cylindrical rotor (11) rotatabel about an axis and having a cylindrical surface (20) faqing said generally cylindrical stator (16) and spaced apart therefrom by a cylindrical gap, (28) a plurality of permanent magnetic poles (27) on said surface (20) of the rotor (11) and positioned adjacent said cylindrical gap, (28) said stator (16) having a plurality of wound poles (25) on or in a substrate (24) of the stator; (16) the permanent magnetjc poles (27) being closely spaced round the cylindrical circumference of the rotor surface, (20) said wound poles (25) be.ng positioned on or in that surface of the stator (16) which faces said rotor (11) so that the wound poles (25) are adjacent said cylindrical gap (28) and said wound poles (25) face the permanent magnetic poles, (27) at least that part of the substrate (24) adjacent said cylindrical gap (28) being of a material which has both a low relative magnetic permeability and is substantially non-conducting.

FIG. 1b



(Compl. Specn. 24 pages Drgn. 09)

Ind. Cl.: 128 F 175022

Int. Cl.[4] : A61M 3/00, 5/315.

AN IMPROVED NON-REUSABLE SYRINGE ELEMENT.

Applicant/Inventor : LOUIS PAUL ELLGASS, CASE POSTALE 53, ROUTE DE CHAMBLIOUX 36, 1700 FRIBOURG 6, SWITZERLAND.

Application for Patent No. 400/DEL/89 filed on May 4, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

An improved non-reusable syringe element comprising a syringe body having a lower extremity provided with a base pierced by a channel for transmitting material in the syringe and an upper extremity, a tightly fitting piston slidably mounted in said syringe body to draw up or expel a product through said channel, a shaft having a lower extremity to which said piston is fixed and an upper extremity projecting beyond said upper extremity of said syringe body to displace said piston characterised in that said syringe element is provided with at least one flexible resilient friction means incorporating at least one resilient flexible plate having an edge resting against the wall of said syringe body, said resilient flexible plate being resiliantly curved between said wall of said syringe body and said shaft, to oppose a weak frictional force on displacement of the piston in one direction and to oppose a strong frictional force on displacement of the piston in the other direction, said shaft having a zone of reduced strength at which the shaft breaks on application of said strong frictional force, thereby rendering said syringe element non-reusable.

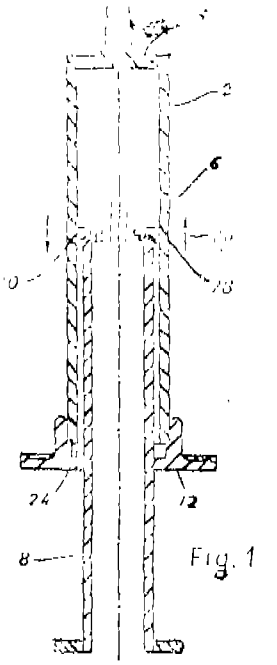


Fig. 1

(Compl. Specn. 38 pages; Drwg. sheets 13)

Ind. Cl.: 160 C 175023

Int. Cl.[4] : B62 M 11/00.

A REAR WHEEL DRIVE ASSEMBLY FOR CYCLE RICKSHAW.

Applicant & Inventor : J. DEVASUNDARAM OF CENTRE FOR BIOMEDICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI-110 016, INDIA, AN INDIAN NATIONAL.

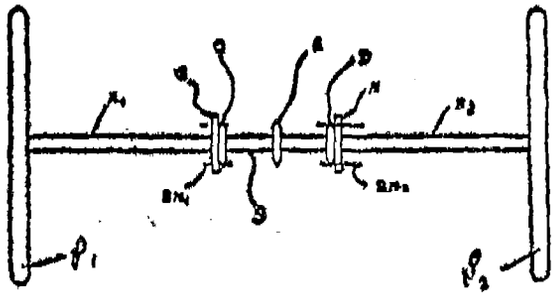
Application for Patent Application No. 402/DEL/89, filed on 5-5 89. Completed on 10-8-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

A rear wheel drive assembly for cycle rickshow for allowing the driven rear wheels to rotate at different speeds when prescribing a path other than a straight path comprising a driven sprocket monuted on rear shaft and driven by a drive chain, characterised in that free wheels being mounted at either ends of said shaft for driving said rear wheels, said

free wheels being secured with the plates, secured at one end of an axle having said rear wheels mounted on the opposit and thereof respectively.



(Provisional Specification 5 pages)

(Compl. Specn. 8 pages; Drwg. sheet 1)

Ind. Cl.: 140A2 175024

Int. Cl.[4] : C10M 143/00, 145/00, 153/00.

LUBRICATING OIL COMPOSITION FOR INTERNAL COMBUSTION ENGINE.

Applicant: THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventor: KIRK EMERSON DAVIS, CALVIN WILLIAM SCHROECK.

Application for Patent No. 463/DEL/89 filed on 26th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Delhi.

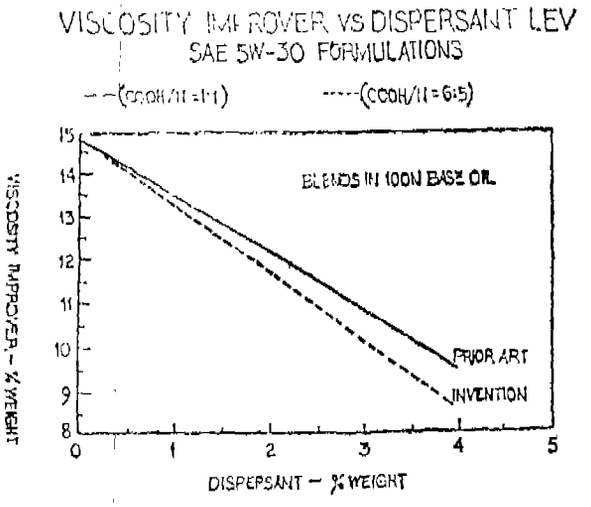
14 Claims

1. A lubricating oil composition for internal combusion engines which comprises.

(A) at least 60% by weight of oil of lubricating viscosity,

(B) at least 2.0% by weight of at least one carboxylic derivative compound such as hereinbefore described which is a reaction product of (B-1) at least one substituted succinic acylating agent and (B-2) from about 0.70 equivalent up to less than one equivalent, per equivalent of acylating agent, of at least one amine compound having within its structure at least one HN<group, and wherein said substituted succinic acylating agent consists of substituent groups and succinic groups wherein the substituent groups are derived from a polyalkene having an Mn value of 1300 to 5000 and an Mw/Mn value of 1.5 to 4.5, said acylating agents having within their structure an average of at least 1.3 succinic groups for each equivalent weight of substituent groups, and

(C) from 0.01 to 2% by weight of at least one basic alkali metal salt of a sulfonic or carboxylic acid.



(Compl. Specn. 167 pages; Drwg. 3 sheets)

Ind. Cl.: 4A2 175025

Int. Cl.[4] : B64C 1/00.

A FRAME FOR THE FUSELAGE OF AN AIRCRAFT.

Applicant: AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, OF 37, BOULEVARD DE MONTMORENCY, 75781 PARIS CEDEX 16, FRANCE.

Inventor: HENRI BARQUET, PIERRE-PAUL NEGRONI, AND BERNARD PLISSONNEAU.

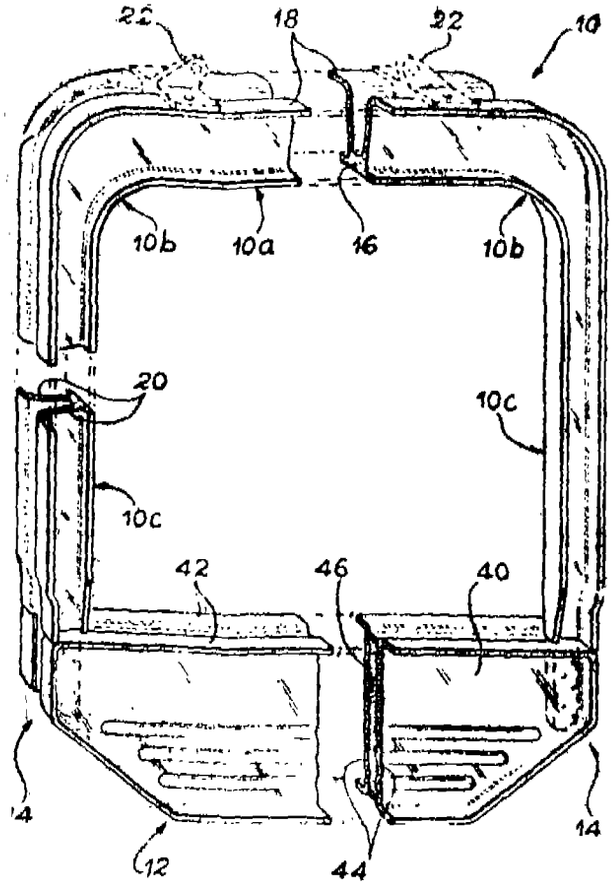
Application for Patent No. 485/DEL/89 filed on 2 June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Delhi.

14 Claims

A frame for the fuselage of an aircraft comprising a monolithic monobloc beam, at least in a portion of the circumference of said frame, said beam consisting in cross-section by an internal flange, two external half-flanges substantially parallel to the internal flange, and two webs, each web connecting the internal flange to one of said external half-flanges, the internal flange and the two external half-flanges being constituted by laps of unidirectional fibers extending longitudinally without discontinuity on the whole length of the beam, said webs being constituted by fabrics

ade up of multidirectional fibers covering the internal flange nd each external half-flange thereby connecting said flange nd said half-flange to the webs.



(Compl. Specn. 25 pages; Drwg. 7 sheets)

Ind. Cl.: 109, 153 175026

Int. Cl.[4] : B 24 B 9/16 31/116.

TOOL FOR POLISHING DIAMONDS.

Applicant: DE BEERS INDUSTRIAL DIAMOND DIVISION (PROPRIETARY) LIMITED, OF 45 MAIN STREET, JOHANNESBURG, TRANSVAAL, SOUTH AFRICA.

Inventor: GABRIEL SHRAGA TOLKOWSKY, GERIT JAN LUCAS CRONSELAAR, ROBERT CHARLES BURNS.

Application for Patent No. 527/DEL/89 filed on 19th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Delhi.

6 Claims

1. A tool for polishing diamonds which comprises:
a plate made of iron-based material which constitutes a working surface; and

a coating uniformly disposed over said working surface, said coating comprising a paste containing therein a plurality of small particles of a size less than 40 microns of a crushed thermally stable diamond compact composed of single crystal and polycrystalline diamond particles and a silicon-based material comprising one or more of the group consisting of silicon, silicon carbide, metal silicides and a metal such as herein described.

(Compl. Specn. 6 pages; Drwg. sheet)

Ind. Cl.: 188 175022

Int. Cl.[4] : C 04B 41/88.

A METHOD OF COATING ALUMINA CERAMIC BODY WITH TITANIUM METAL.

Applicant: BHARAT HEAVY ELECTRICALS LIMITED OF BHEL HOUSE, SIRI FORT, NEW DELHI-110 049 INDIA, A WELDING RESEARCH INSTITUTE, INDIA, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF INDIA.

Inventors : KALLURI GOPALA KRISHNA MURTI & ARANTHANKI NARAYANAN DWARAKAN BOTH THE INDIAN NATIONALS OF WELDING RESEARCH INSTITUTE, BHARAT HEAVY ELECTRICALS LTD., TIRUCHIRAPALLI 620 014, TAMILNADU, INDIA.

Application for Patent No. 585/DEL/89 filed on 4th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A method of coating alumina ceramic body with titanium-metal, comprising in the steps of cleaning said body, applying a coating of a mixture of potassium chloride and titanium powder in the ratio of 9 : 1 on said body, subjecting said coated body to the step of sintering at a temperature of 750 to 900 C in Argon protective atmosphere and then cooling said coated body.

(Compl. Specn. 5 pages; Drg. Nil)

Ind. Cl.: 85 DI, J 175028

Int. Cl.[4] : F 27 B 14/02.

AN IMPROVED FURNACE FOR MELTING OF METALS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :
SUKOMAL GHOSH.
UPKAR SINGH.
RAMENDRA NATH CHAKRABORTY.
SHILOWBHADRA BANERJEE.
SUDHANSHU KUMAR SINHABABU.
SAMRENDRA KUMAR SINHA.
OMKAR NATH MOHANTY.

Application for Patent No. 652/DEL/89 filed on 25-7-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

An improved furnace for melting which comprises a stand (5) to which a frame is fixed, a shell holder (3) being provided inside the said frame, the shell holder being provided with means (4) with rotating bearings to facilitate tilting of the shell holder to approximately 90 to its axis, a removable furnace shell (1) housed in the said shell holder, the furnace shell provide with lugs (10) on its inside wall, the furnace shell also provided at its bottom on one side an opening (11) for air to pass inside the furnace shell, the furnace being closed at the top with swinging lid (2) having a protruding central ring buffing (not shown in the drawings) which sits tightly on the crucible (12) to be kept inside the furnace shell containing the metal to be melted, a chute (16) is made of clay which extends from crucible spout to the pouring end, a lid having a central hole and four equispaced holes for escape of gas and charging of fuel respectively, (not shown in

the drawings) two guices (8A. 8B) being connected to the frame, 8A at the top and 8B at the bottom of the frame a rod supporting the lid passing through the above said guides, the portion of the rod protruding through the bottom guide (8B) being fixed to the foot paddle (8) for lifting and swinging of lid, a counter weight stand (9) having a pulley arrangement with balancing weight (6) for facilitating tilting of the furnace shell with a tilting handle (7), the crucible (12) being placed on ring (14) which is supported by grating (13) fixed to lining (15) of the furnace shell.

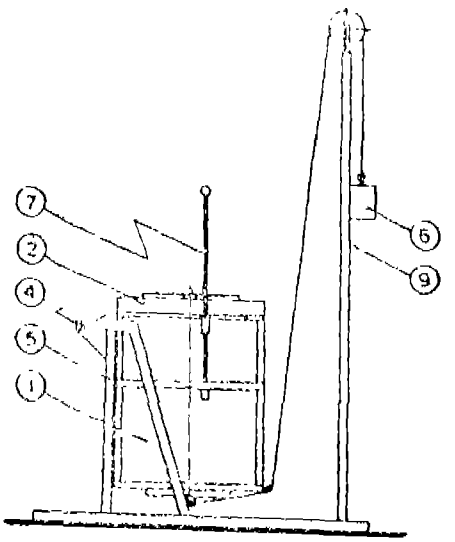


FIG 3

(Compl. Specn. 10 pages; Drg. 4 sheets)

Ind. Cl. : 32 C 175029

Int. Cl.[4] : C 12 P 33/00.

AN IMPROVED PROCESS FOR THE ISOLATION OF PURE SAPONIN FROM THE FRUIT OF SAPINDUS MUKOROSSI.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :

AYINAMPUDI SREE.
VIPPARTI SANJIVA RAO.
SUDAM CHANDRA BASU.
CHAKKIRALA SIRNIVASULU.

Application for Patent No. 672/DEL/89 filed on 28th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

An improved process for the isolation of saponin from the fruit of Sapindus mokorossi, comprising extracting the fruits with water followed by salting out with inorganic salts & separating the saponins characterised in that (a) subjecting the fruit pericarp of Sapindus mukurossi to extraction with water at ambient temperature by multi stage counter current method, (b) purifying the saponin by dissolving the separated saponin in an alcohol and (c) recovering the pure saponin by conventional methods.

(Compl. Specn. 7 pages; Drg. Nil)

Ind. Cl. : 32B. 175030

Int. Cl.[4] : C07B, 33/00.

A PROCESS FOR THE OXIDATION OF SATURATED HYDROCARBONS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MIRZA MOHAMMED TAQUI KHAN, SYED HASAN RAZI ABDI, GADDE RAMACHANDRAIAH, SHAUKAT ALI MIRZA.

Application for Patent No. 480/DEL/90 filed on 18th May 1990.

Divisional Application No. 922/DEL/87 filed on 21st October 1987.

Ante-dated to Date 20th January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A process for the oxidation of saturated hydrocarbons which comprises reacting the saturated hydrocarbons with mol. 02 in presence of a ruthenium complex catalyst prepared by the process described and claimed in our copending application No. 922/DEL/87 in an amount as herein described in 1 : 1 water dioxane ratio at room temperature and 1 atmospheric pressure.

(Compl. Specn. 6 pages Drwg sheets Nil)

Cl. : 64 B 1 175031

Int. Cl.[4] : H 02 G 15/00, 1/14.

JOINT FOR HIGH-VOLTAGE AND VERY HIGH-VOLTAGE PLASTIC CABLE.

Applicant : NKF KABEL B.V. OF SCHIEWEG 9, P.O. BOX 26, 2600 MC DELFT, THE NETHERLANDS.

Inventor : JACOBUS MARIA SCHAAREMAN.

Application No. 340/Cal/1990; filed on 24th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

31 Claims

Joint for high-voltage and very high-voltage plastic cable having a conductor (13) and at least one surrounding insulating sheath (12) said joint comprising an elastic strethchable electrical sleeve insulator having an electrically conducting stress-controlling body (8), for screening cable conductor connecting elements (14; 15; 20) received in an inner space defined by said stress-controlling body (8), an insulating body (9) surrounding the stress-controlling body (8), and an electrically conducting sheath (10) surrounding completely or partially the insulating body (9), said sleeve insulator having at least one axial close-fitting passage (11) merging into the space in the stress-controlling body (8) for receiving a cable end (1), characterized in that electrical conductor connecting elements (14; 15; 20) designed as a plug-in connector are used, comprising at least one mating plug part (14; 2; 20)

and counter-plug part (15; 16;. 20) of electrical conducting material, and in that means (3; 17; 7) are provided for mechanically locking the connector parts with respect to each other.

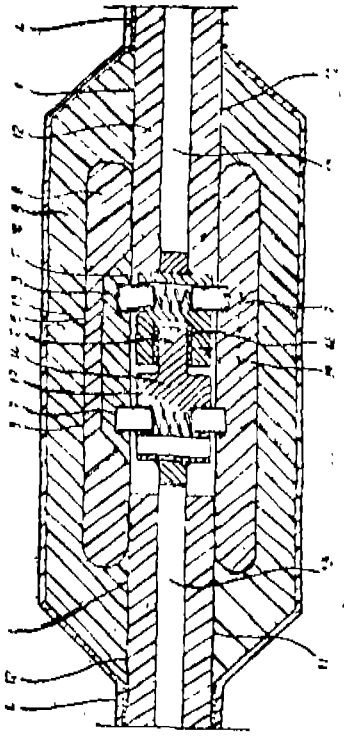


Fig. 1

(Compl. Specn. 19 pages; Drgns. 8 sheets)

Cl. : 40 B. 175032

Int. Cl.[4] : C 08 F 4/64.

PROCESS FOR PREPARING A TI, MG AND ELECTRON-DONOR-CONTAINING PRECURSOR OF CATALYST FOR POLYMERIZATION OF OLEFINS.

Applicant : HIMONT INCORPORATED OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY, DELAWARE, U.S.A.

Inventors :

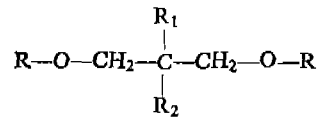
(1) ENRICO ALBIZZATI,
(2) GIAMPIERO MORINI,
(3) UMBERTO GIANNINI.

Application No. 1042/Cal/1990; filed on 19th December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

A process for preparing a Ti, Mg and electron-donor-containing precursor of catalyst for the polymerization of alefins, wherein the Mg/Ti molar ratio is from 0.5 : 1 to 10 : 1 and the Ti/electron-donor molar ratio is from 0.5 : 1 to 3 : 1, said process comprising supporting magnesium dichloride, a titanium halide and an electron-donor compound on a porous metal oxide selected from the group consisting of silica or alumina or mixtures thereof, said electron-donot compound being capable of complexing with anhydrous magnesium dichloride in a quantity not greater than 60 moles per 100 g of $MgCl_2$ and being unreactive with $TiCl_4$ to give substitution reactions, or being capable of reacting in this manner for less than 50% in moles, and having the general formula



where R, R_1 and R_2 are the same or different from each other and are C_{1-12} alkyl, C_{3-18} cycloalkyl, C_{6-18} aryl, C_{7-18} aralkyl or alkylaryl radicals, and R_1 and R_2 can also be hydrogen atoms, the complexing test with $MgCl_2$ being conducted as follows :

in a 100 ml glass flask with fixed blades glass mechanical agitator are introduced in a nitrogen atmosphere, in order :

— 70 ml anhydrous n-heptane

— 12 mmoles activated anhydrous $MgCl_2$.

— 2 mmoles electron-donor;

the ingredients are heated at 60°C for 4 hours (stirring speed 400 rpm), then filtered and washed at room temperature with 100 ml n-heptane and dried with mechanical pump; the quantity of electron-donor complexed is determined, after treatment of the solid with 100 ml of ethanol by quantitative gaschromaic analysis;

and the test for reactivity of the electron-donor with $TiCl_4$ being conducted as follows :

in a 25 ml test tube with a magnetic agitator are introduced, in a nitrogen atmosphere, in order :

— 10 ml anhydrous n-heptane

— 5 mmoles $TiCl_4$;

— 1 mmeol electron donor;

the ingredients are heated at 70°C for 30 min., then cooled at 25°C and decomposed with 90 ml of ethanol ; the solution obtained is analyzed gas chromatographically.

(Compl. Specn. 30 pages);

Cl. : 50 F 175033

Int. Cl.[4] : F 25 D 29/00.

A REFRIGERATION SYSTEM.

Applicant : COPELAND CORPORATION OF 1675 W. CAMPBELL ROAD, SIDNEY, IHIO 45365-0669, UNITED STATES OF AMERICA.

Inventor : TARIQ ABDEL RAHIM DIAB.

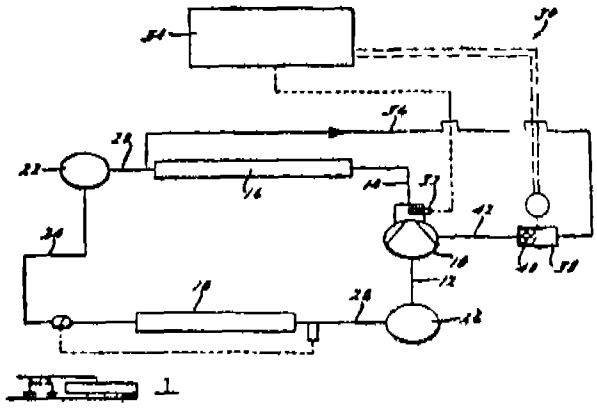
Application No. 1055/Cal/1990; filed on 24th December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

27 Claims

A refrigeration system including a compressor having a taining precursor of catalyst for the polymerization of olefins, an evaporator connected to said compressor in a serial closed loop system, improved means for preventing overheating of said compressor comprising sensor means within said discharge chamber of said compressor and in the flowpath of said compressed gas for sensing the temperature of compressed gas therein, a fluid line connected to the outlet of said condenser

and to said compressor and control means operative to selectively control fluid flow from said condenser outlet to said compressor in response to said sensed temperature of said compressed gas.



(Compl. Specn. 21 pages; Drgns. 1 sheet)

Cl.: 32 F 2b — 55 E 4 175034

Int. Cl.[4]: C 07 D 519/00.

METHOD FOR PREPARING NOVEL SUBSTITUTED 2-ARYL PYRROLOPYRIMIDINES.

Applicant: NEUROGEN CORPORATION OF 35 NE INDUSTRIAL ROAD BRANFORD, CONNECTICUT 06405 UNITED STATES OF AMERICA.

Inventors:

(1) ANDREW THURKAUR,

(2) ALAN HUTCHISON,

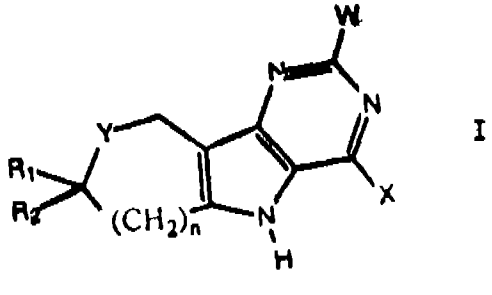
(3) VINOD SINGH.

Application No. 218/Cal/1992; filed on 01st April 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

93 Claims

1. A method for preparing a substituted 2-aryl pyrrolopyrimidine of the formula I below



I

wherein :

n is 0,1 or 2;

R1 and R2 are the same or different and represent hydrogen or straight chain or branched lower alkyl having 1-6 carbon atoms;

X is hydrogen;

W is

phenyl, thienyl, or pyridyl;

phenyl, thenyl, or pyridyl, each of which may be mono or disubstituted with halogen, hydroxy, straight or branched chain lower alkyl having 1-6 carbon atoms, amino, mono or dialkylamino where each alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms, or staraight or branched chain lower alkoxy having 1-6 carbon atoms;

Y is

N-R3 where R3 is

hydrogen, straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or phenylalkyl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms;

minoalkyl where the alkyl is a straight or branched chain ower alkyl having 1-6 carbon atoms, or mono or dialkyl minoalkyl where each alkyl is a straight or branched chain ower alkyl having 1-6 carbon atoms;

-indanyl, 4-(thio) chromanyl, 1- (1, 2, 3, 4-tetrahydro-aphthyl);

-indanyl, 4-(thio) chromanyl, 1- (1, 2, 3, 4-tetrahydro-aphthyl) each of which is monosubstituted with halogen, traight or branched chain lower alkyl having 1-6 carbon toms, or straight or branched chain lower alkoxy having 1-6 arbon atoms;

COR_4 or $-SO_2R_4$ where R_4 is straight or branched chain ower alkyl having 1-6 carbon atoms, phenyl, phenylalkyl vhere the alkyl is a straight or branched chain lower alkyl aving 1-6 carbon atoms, or phenylalkoxy where the alkoxy s a straight or branched chain lower alkoxy having 1-6 car-on atoms;

$=O$, CR_3OR_5, CR_5COR_5, $CR_5CO_2R_5$, CR_6OCOR_5, and CR_6R_6 where R_5 is hydrogen, straight or branched chain ower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or henylalkyl where the alkyl is straight or branched chain ower alkyl having 1-6 carbon atoms; and

R_6 is hydrogen, or straight or branched chain lower alkyl aving 1-6 carbon atoms;

$R_6CONR_7R_8$ or $CR_6(CH_2)_nNR_7R_8$ where n is 0, 1 or 2 and R_6 and R_7 are the same or different and represent hydrogen, or straight or branched chain lower alkyl having 1-6 carbon atoms; and

R_8 is hydrogen, straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or phenylalkyl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms; or

NR_7R_8 is morpholyl, piperidyl, Pyrrolidyl, or N-alkyl piperazyl;

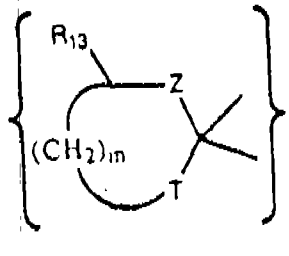
$CR_6NR_9CO_2R_{10}$ where

R_9 is hydrogen, or straight or branched chain lower alkyl having 1-6 carbon atoms, and

R_9 and R_{10} are the same or different and represent hydrogen, straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or phenylalkyl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms;

$-CR_6C(OH)R_{11}R_{12}$ where R_{11} and R_{12} are the same or different and represent straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, or phenylalkyl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms, and R_6 is hydrogen, or straight or branched lower alkyl having 1-6 carbon atoms; or

a group of the formula IA



where m is 0, 1, or 2

R13 is

hydrogen, straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or phenyl-alkyl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms;

Z is

methylene, Oxygen, NR14 or CHCONR14 where R14 is hydrogen, straight or branched chain lower alkyl having 1-6 carbon atoms, phenyl, pyridyl, or phenylalkykl where the alkyl is straight or branched chain lower alkyl having 1-6 carbon atoms; and

T is methylene or oxygen

comprising the steps of F in sequence :

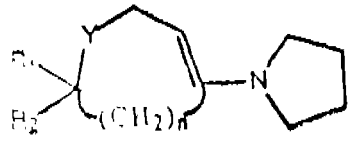
(a) reacting a dialkyl malonate with an aryl amidine of the formula WC(NH2)=NH, where W is defined as above to form a 2-aryl-4,6-dihydroxypyrimidine,

where the malonate and amidine are reacted in an anhydrous solvent at a temperature of from about 0°C to 100°C for at least 5 minutes;

(b) nitrating the 2-aryl-4,6-dihydroxypyrimidine in a known manner to yield a 2-aryl-5-nitro-4,6-dihydroxy-pyrimidine;

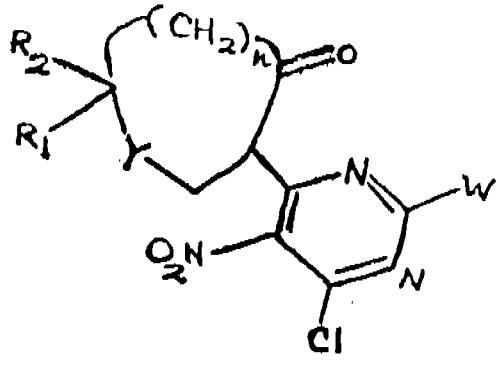
(c) treating the 2-aryl-5-nitro-4,6-dihydroxypyrimidine with phosphorous oxychloride in -α- diethylaniline at a temperature of from 25°C to reflux to form a 2-aryl-5-nitro-4, 6-dichloro-pyrimidine;

(d) forming separately an enamine of the formula



where R1, R2, and Y are defined as above; in a known manner;

(e) coupling the enamine of step (d) in a known manner with the 2-aryl-5-nitro-4, 6-dichloro-pyrimidine of step (c) to yield a 5-nitro-6-chloropyrimidine derivative of the formula



(f) reducing the 5-nitro group to an amine in a known manner followed by reductively aminating the resulting primary amine in a known manner to yield the desired substituted 2-aryl pyrrolopyrimidine of formula I and, if desired, converting the same into its non-toxic pharmaceutically acceptable salt, by a conventional method.

(Compl Specn. 76 pages)

Cl. : 194 B 175035

Int. Cl.[5] : H 01 J 29/00, 29/84, 31/00.

DUST CLEANING APPARATUS FOR ELECTRON GUN OF CATHODE RAY TUBE.

Applicant : SAMSUNG ELECTRON DEVICES CO., LTD. OF 575, SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KYUNGGI-DO, REPUBLIC OF KOREA.

Inventor : KYEONG-MO YANG.

Application No. 397/Cal/1991; filed on 27th May, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A dust cleaning apparatus for an electron gun of a cathode ray tube comprising a turntable adapted to revolve at a predetermined rotatory velocity, nozzles mounted so as to eject high pressure air toward said turntable and one or more groups of rotatory members installed on said turntable, each group comprising a first rotatory member revolvable by a driving means, one or more secondary rotatory members interlocking with said first rotatory member and supports mounted on said first and secondary rotatory members for supporting an electron gun.

FIG 1A

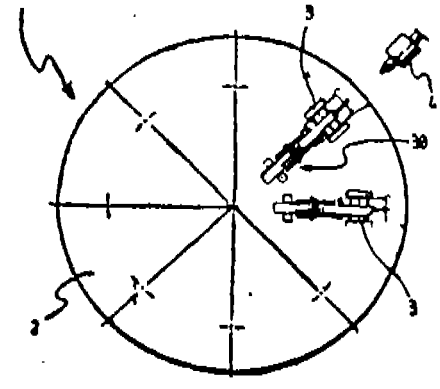
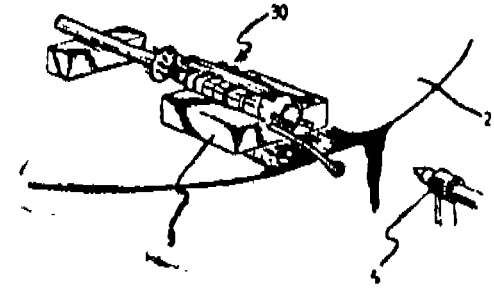


FIG.1B



Compl. specn. 9 pages. Drgs. 2 sheets

Cl. : 23—B & E 175036

Int. Cl.[4] : B 65 B 27/00.

PACKAGE, PARTICULARLY FOR STICKS HAVING COTTON BUDS.

Applicant : JOHNSON & JOHNSON CONSUMER PRODUCTS, INC. OF GRANDVIEW ROAD, SKILLMAN, N.J. 08558, UNITED STATES OF AMERICA.

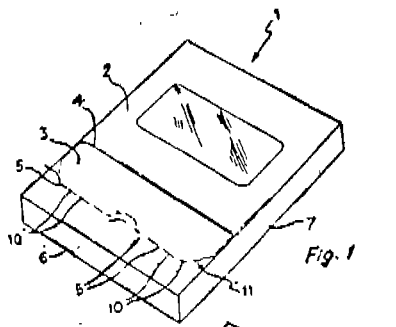
Inventor : JOAO GARCAO.

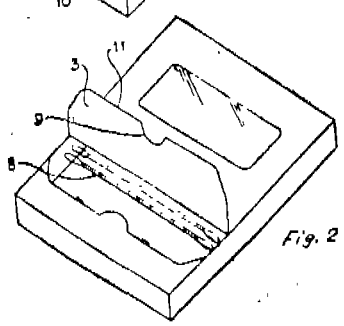
Application No. 486/Cal/91; filed on 26th June, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Package, particularly for sticks having cotton buds, comprising a lower wall, an upper wall (2), a front wall, a rear wall and two side walls (7), the upper wall (2) being provided with a cover portion (3) linked entirely, on one side, to the upper wall (2) by means of a folding line (4) extending transversally to the side walls (7) and, in the remaining of its periphery, through a weakened line, the cover portion (3) extending laterally up till the side walls (7) of the package (1).





Compl. specn. 5 pages Drg. 1 sheet

Cl. : 34 C 175037

Int. Cl.[4] : D 01 F 6/04.

A SPIN MIXTURE USED FOR FLASH-SPINNINC POLYMERIC PLEXIFILAMENTARY FILM-FIBRII STRANDS.

Applicant : E.I. DU PONT DE NEMOURS AND COM PANY OF WILMINGTON, DELAWARE, UNITEI STATES OF AMERICA.

Inventors : (1) DON MAYO COATES,
(2) GARY STEPEN HUVARD,
(3) HYUNKOOK SHIN.

Application No. 459/Cal/1992; filed on 29th June, 1992.

(Divided out of No. 713/Cal/89; antedated to 31-08-89).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A spin mixture used for flash spinning dry polymeric plexifilamentary film-fibril strands, the spin mixture comprising 18 to 33 weight percent fiber-forming polyolefin, 42 to 73 weight per cent methylene chloride and 9 to 25 weight percent carbon dioxide.

Compl. specn. 16 pages.

Cl. 32 E, 152 E, 136 E. 175038.

Int. Cl.[4] C 08 L 27/00, 27/08, 27/18.

"PROCESSING AID COMPOSITION FOR IMPROVING THE MELT PROCESSIBILITY OF A DIFFICULT MELT-PROCESSIBLE POLYMER".

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, EELAFARE, UNITED STATES OF AMERICA.

Inventors : (1) GEORGE RICHARD CHAPMAN, JR. (2) DONNAN EDWIN PRIESTER, (3) CHARLES WINFIELD STEWART

Application No. 679/Cal/1992; filed on 21st September, 1992.

(Divided out 529/Cal/1989; antedated to 05-10-1990)

Appropriate office for oppostion Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

18 Claims.

Processing aid composition for improving the melt processibility of a difficulty melt-processible polymer selected from the group consisting of vinly aromatic polymers; copolymers of alpha-olefins and vinyl esters, (meth) acrylic esters, acrylonitrile,trile, nd (meth) acrylic acids and their (ionomeric) metal salts; chlorinated polyethylene; polyvinyl chloride; polyester and polyamide, said compositon consisting essentially of :

(a) more than 50% by weight of a polymer that is compatible with the difficulty-melt-processible polymer,

and

(b) less than 50% by weight of, with the part totaling 100 parts :

(1) 2-95 parts by weight of a fluorocarbon copolymer such as herein described which at the melt-processing temperature of the difficulty melt-processible polymer is either in a melted form if crystalline or is above its glass transition temperature if amorphous; and

(2) 98-5 parts by weight of a tetrafluoroethylene homopolymer or copolymer of tetrafluoroethylene and a monomer such as herein described which is copolymerizable therewith, wherein the mole ratio of fluorine to hydrogen it as least 1:1, and which is solid at the melt-processing temperature of the difficulty melt-processible polymer.

Compl. specn. 49 pages. Drgns. 2 sheets.

Cl. 32 B-IX (1) 175039

Int. Cl.[4] A 61 K 31/545.

"AN IMPROVED ENZYMATIC METHOD FOR PREPARING CEPHALOSPORINS".

Applicant : ELILILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED CTATES OF AMERICA.

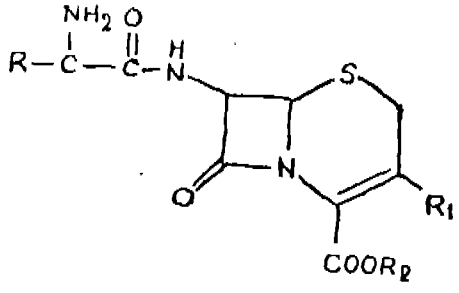
Inventor : JOHN PAUL GARDENER.

Application No. 231/Cal/1993; filed on 21st April, 1993.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

6 Claims

1. An improved enzymatic method for preparing cephalosporins of formula (I)

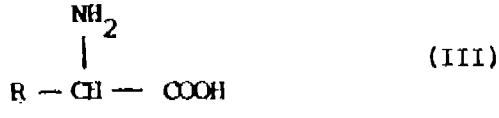


wherein R is a five-or six-membered hydrocarbon ring that may be substituted or R is a five-membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen or sulphur, which heterocycle may be substituted;

R1 is a hydrogen atom, a halogen atom, a methoxy, a methyl or a methylene which is bonded to an organic radical directly or via an oxyzen, sulphur or nitrogen atom, wherein the radical is an alkoxy, an alkoxycarbonyl or a five- or six-membered heterocyclic group, which may be substituted, said heterocyclic group containing one to four heteroatoms selected from O, S and N; and

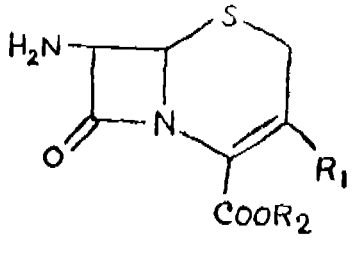
R is hydrogen or a carboxy-protecting group;

comprising reacting a reactive derivative of an α-substituted α-amino acid of formula (III) :



(III)

(wherein the hydroxy of the carboxylic moiety has been substituted with an organic group) with a cephalosporin substrate of formula (II) :



(II)

in the presence of SO-3000 of an immobilized penicillin acylase enzyme per gram of said cephalosporin substitute of formula (II) and conducting said reaction at a temperature ranging from 0°C to + 20°C.

Compl. Specn 26 Pages.

Cl. 93 175040

Int. Cl.[4] C 04 B 35/00,
C 30 B 29/00, 1/00.
H 01/C 17/00.

"PROCESS FOR PREPARING PRESSURE SENSING TRANSDUCERS FROM GALENA CONCENTRATE".

Applicant : METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED, (A GOVERNMENT OF INDIA UNDERTAKING), OF DORANDA, RANCHI-834002, BIHAR, INDIA, AND INDIAN INSTITUTE OF TECHNOLOGY, OF KHARAGPUR, WEST BENGAL, INDIA.

Inventors : (1) PRO. HAR NARAYAN ACHARYA, AND (2) DR. SUCHITANGSHU CHATTERJEE.

Application No. 389/Cal/1994; filed on 26th May, 1994.

(Divided out of No. 691/Cal/90; antedated to 09th August, 1990)

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

11 claims.

A process for preparing pressure sensing transducers from Galena concentrate, obtained by beneficiation of galena ore, e.g. by froth-floatation technique, to separate galena from rocks and the like, comprising the steps of : mixing the galena particles with dopants, such as herein described, followed by heating the mixture in non-oxidizing/non-reducing atmosphere, such as herein described, to obtain doped galena powder;

die-pressing the doped galena concentrate powder to obtain elements of desired shape/size; and

sintering the said elements in a non-oxidizing/non reducing atmosphere, such as herein described, at preselected temperature, such as herein described, and for preselected duration, such as herein described, so as to achieve the desired properties, such as herein described in the elements, followed by mechanical cleaning and polishing of the shaped elements.

Compl. specn. 12 pages. Drngs. 1 sheet.

Cl. 140-A-2. 175041.

Int. Cl. C 10 M 105/06, 105/58, 117/00, 125/02.

"LUBRICATING GREASE COMPOSITION."

Applicant : KLUBER LUBRICATION MUNCHEN KG. OF GEISENHAUSENERSTR. 7, 8000 MUCHEN 70, WEST GERMANY.

Inventors : (1) EDWIN SEUBERT (2) DIETER SOHN.

Application No. 387/Cal/1990; filed on 15th May, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

02 Claims

A lubricating grease composition comprising of a basic oil and a lower proportion of a thickening agent including a polyurea (polycarbamide) compound and the X usual additives, Characterised in that the base oil is an ester of an aromatic di-tri-or tetra-carboxylic acid with one or more C_7 C_{18}-alkano-ls and the thickening agent is the product of a compound of the general formula

A(B)n (I)

with an amine of thee general formula H_2 N-R (ii), in which

A=CH_4-n

B=aromatic mono-or-di-isocyanate residuc,

n=1-3,

R=alkyl or alkenyl residue with 8 to 22-C-atoms or an aryl residue with 6 to 10-C-atoms;

and in which the mixture of the basic oil and the thickening agent has a consistency with a penetration of 220-385, 0.1 mm.

Compl. specn. 09 pages. Drgns. 04 sheets.

Cl. 98-G. 175042.

Int Cl.[5], F 28 D9/00.

"HEAT X TRANSFER ELEMENT ASSEMBLY"

Applicant : ABB AIR PREHEATER, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK 14895, UNITED STATES OF AMERICA.

Inventor : WILLIAM FRANCIAS HARDER.

Application No. 400/Cal/1990; filed on 17th May, 1990.

Appropriate office for opposition Proceedings, (Rule 4, Patent rule 1972) Patent Office, Calcutta.

05 Claims.

An assembly of heat transfer element plates for a regenerative heat exchanger comprising : a plurality of first profiled heat transfer plates and a plurality of second profiled heat transfer plates, said first and second heat transfer plates stacked alternately in juxtaposed relationship so as to form a plurality of flow channels extending through said assembly between two opposite end surfaces of the stacked heat transfer plates, each of said first and second profiled heat transfer plates being provided with a plurality of first single-lobed notches protruding outwardly in one direction at spaced intervals across the width thereof and extending obliquely along the length thereof, and further being provided with a plurality of second single-lobed notches extending parallel to said plurality of first single-lobed notches and protruding outwardly in the opposite direction with at least one of said second single-lobed notches positioned intermediate each pair of said first single-lobed notches, said first and second plates being disposed within said assembly relative to each other with the first and second notches of said first plates extending transverse to the first and second notches of said second plates whereby the notches of adjacent plates cross each other at the points of contact therebetween.

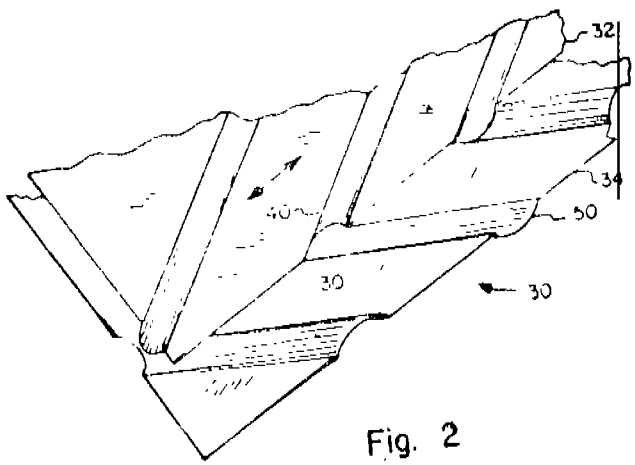


Fig. 2

Compl. specn. 11 pages. Drgns. 02 sheets.

Cl. 34-A, 172B. 175043.

Int. Cl.[4] D 01 D 5/08.

"AN IMPROVED SYNTHETIC FILAMENT"

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : HARRY VAUGHAN SAMUELSON.

Application No. 409/Cal/1990; filed on 18th May, 1990.

Appropriate office for opposition Proceedings, (Rule 4 Patent rule 1972) Patent Office, Calcutta.

10 claims.

A novel synthetic sheath-core bicomponent filament having antistatic properties comprising a continuous non-conductive sheath of a synthetic thermoplastic fiber forming polymer surrounding an electrically conductive polymeric core comprising of electrically conductive carbon black dispersed in a thermoplastic synthetic polymer, having a cross-section of said core having atleast three lobes and modification ratio of atleast 2, characterized in that each lobe having an L/D ratio of from 1 to 20 where L is the length of a line drawn form the center point of the line between low points of adjacent valleys on either side of the lobe to the farthest point of said lobe, and D is the greatest width of the lobe as measured perpendicular to L.

Compl. specn. 14 pages. Drgns. 01 sheet.

Cl. 128 G. 175044

Int. Cl. A 61 F, 5/46.

"DEVICE FOR FIXING A CONTRACEPTIVE DEVICE TO THE WALL OF THE UTERUS".

Applicant and Inventor : WILDEMEERSCH DIRK OF VOSSENHUL 8, B-8300 KNOKKE-HEIST, BELGIUM.

Application No. 577/Cal/90 filed on 10th July, 1990.

Appropriate office for opposition Proceedings, (Rule 4, Patent rule 1972) Patent Office, Calcutta.

8 Claims.

A device for fixing a contraceptive device to the wall of the uterus, consisting of a thread (10; 20; 20; 60) of non-biodegradable material, designed to be attached to the contraceptive device, and a retaining member (11; 21; 31; 61) implantable in the tissue of the uterus and integral with the thread wherein the retaining member (11; 21; 31; 61) implantable in the tissue of the uterus consists of a permanent element (12; 22; 32; 62), of non-biodegradable material, and a temporary element (13; 23; 33; 63), of biodegradable material, temporarily conferring to the implantable retaining member (11; 21; 31; 61) greater resistance to pulling out than that of the permanent element (12; 22; 32; 62) alone.

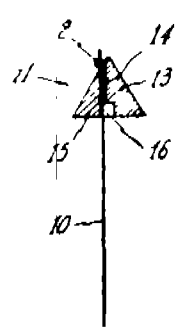


FIG. 1

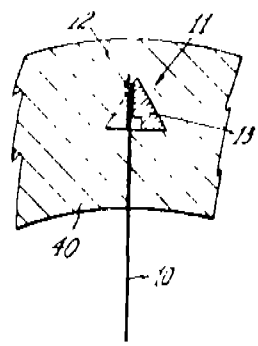


FIG. 4

Compl. Specn. 10 pages. Drgns. 1 sheet.

Cl. 132 D 175045

Int. Cl. B 22 D 11/10

"AN ELECTROMAGNETIC AGITATOR FOR AGITATING THE LIQUID PHASE OF A CAST STRAND IN A CONTINUOUS-CASTING PLANT".

Applicant : CONCAST STANDARD AG., OF TODIS TRASSE 7, 8027 VURICH, SWITZERLAND.

Inventors: : Markus SCHMID.

Application No. 626/Cal/1990 filed on 25th July, 1990.

Appropriate office for oppostion Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

An electromagnetic agitator for agitating the liquid phase of a cast stand in a continuous-casting plant, comprising agitator coils (4) and coil cores (5) disposed in an agitator casting (7) characterized in that the agitator coils (4) in the casting (7) are immersed in a first substantially stationary liquid (8) and a cooling tube system (11-11''') through which a second liquid (10) flows is disposed in the region of the first liquid (8) inside the agitator casting (7).

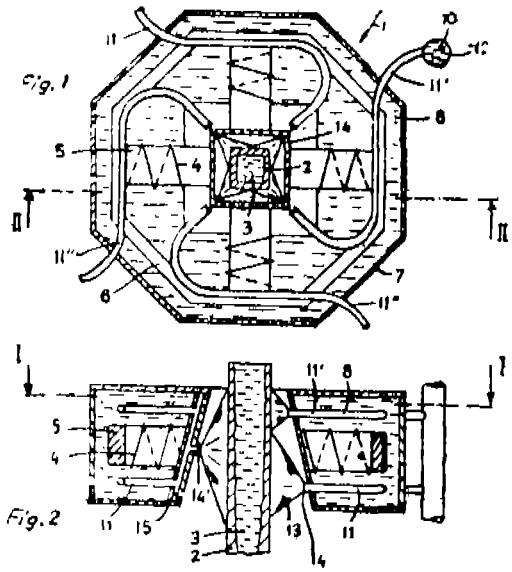


Fig. 1

Fig. 2

Compl. Specn : 10 Pages Drgns : 1 Sheet.

Cl. : 176 E 175046

Int. Cl. : F 23 J 13/02.

"A SOOTBLOWER WALLBOX ASSEMBLY".

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, NEW ORLEANS, LOUSIANA 70160 UNITED STATES OF AMERICA.

Inventors : EUGENE WILLIAM ROEHRS.

Application No. 898/Cal/90 filed on 23rd October, 1990.

Appropriate office for oppostion Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

13 Claims

A sootblower wallbox assembly for diminishing noise emissions emanating from the cleaning port of a heat exchanger while also providing a lance tube element for access to the interior of the heat exchanger, the assembly comprising :

two or more generally closed sound absorbing chambers surrounding said lance tube and attenuating sound transmitted into said wallbox from said heat exchanger, said chambers having differing configurations enabling each chamber to exhibit differing resonance characteristics whereby the total sound attenuation provided by said wallbox is the sum of the sound absorbing characteristics of said chambers.

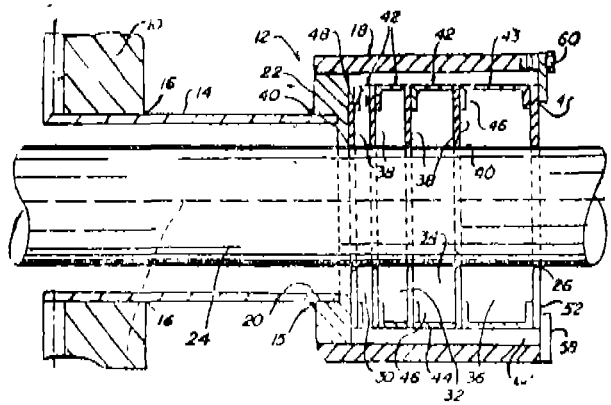


Fig-1

Compl. Specn. : 1 pages Drgns : Sheets

Cl. : 32 C 175047

Int. Cl. :C 07 C 87/60.

"PROCESS FOR THE CONTINUOUS PREPARATION OF 3,3'-DICHLOROBENZIDINE DIHYDROCHLORIDE."

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFRUT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : KURT HABIG (2) KONARD BAESSLER (3) KLAUS WARNING

Application No. 940/Cal/1990 filed on 09/11/1990.

Appropriate office for opposition proceedings Rule 4, patent rule 1972) Patent Office, Calcutta.

15 Claims

A process for the continuous preparation of 3, 3-dichlorobenzidine dihydrochloride from 2, 2-dichloro hydrazobenzene by treatment with aqueous sulfuric acid, which comprises treating the 2, 2-dichloro hyrazobenzene, dissolved in a water-immiscibe aromatic solvent continuously at temperatures of from about 20 to about 50°C in the presence of an alkali metal salt of an alkyl (C_8-C_{28}) polyglycol ether sulfate, with such an amount of from about 50 to about 80% strength aqueous sulfuric acid that the suspension formed remains conveyable, subsequently diluting the suspension emerging from the reaction zone with water, again continuously, and subsequently heating the suspension to temperature of from about 90 to about 95° C until a solution is obtained, separating off the aromatic solvent from the hot sulfuric acid aqueous phase, and precipitating the 3, 3-dichlorobenzidine dihydrocholoride by adding hydrochloric acid to the sulfuric acid solution which remains, and filtering of this product.

Compl. Specn. 12 pages Drgns. Nil Sheet.

Cl. : 110, 120 B4 C4. 175048

Int. Cl. : D 04 B35/28. F 16 N 7/14, 25/04.

"LUBRICATNIG DEVICE FOR SUPPLYING SEVERAL LUBRICATING POINTS, IN PARTICULAR OF A KNITTING MACHINE, WITH LUBRICANT, PREFERABLY OIL".

Applicant : MEMMINGER-IRO, GmbH, OF WITTLENSWEILER STR. 12 D-7290 FREUDENSTADT.

Inventors : DIETER BRAUN (2) ROLF HUSS (3) ALFRED LAMPPRECHT.

Application No. 221/CAL/1991 filed on 15 March 1991.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

16 Claims

Lubricating device for supplying several lubricating points, in particular, of a knitting machine, with lubricant, preferably oil, comprising a common lubricant pump for a number of lubricating points which is surge-wise electromagnetically actuatable and respectively discharges a predetermined amount of lubricant, a lubricant supply container to which the lubricant pump is connected on the suction side, connecting devices for lubricant pipes which lead to the individual lubricating points and can be selectively supplied with lubricant from the pressure side of the lubricant pump, and an electric control device for predetermined controlling of the lubricant supply to the lubricating points with respect to time, characterised in that it comprises a lubricant distributor (16) which contains a movable distributor element (21) and is connected with a lubricant inlet (24) to the pressure side of the signal lubricaant pump (10) and at the oullet side to the individual lubricant pipe connecting device, an that the distributor element (21) is connected to servo means activatable by the electric control device to establish in a position—dependent manner a connection between the lubricant inlet (24) and a respectively selected lubricant outlet (26) which is associated with a certain lubricant pipe (44) of the connecting device.

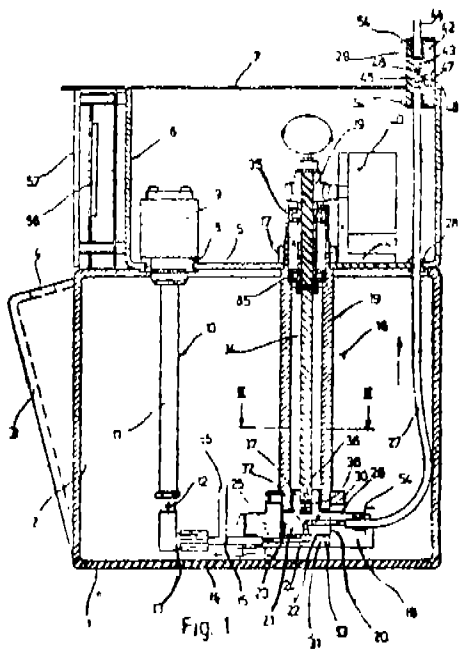


Fig. 1

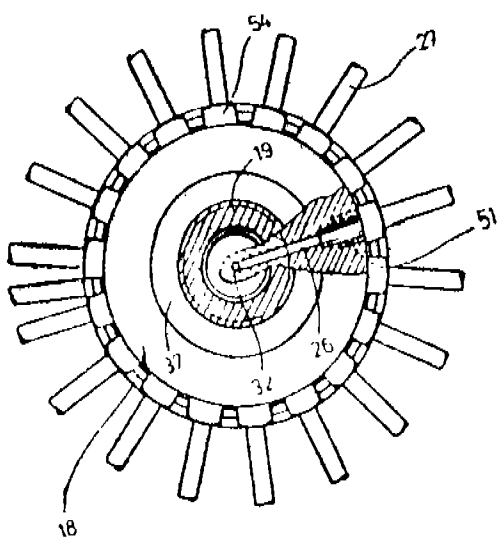


Fig. 3

Compl. Specn. : 25 Pages

Drgs. 5 sheets

Cl. : 151 B.

175049

Int. Cl. : B 08 B, 9/00, 9/02.

"APPARATUS FOR REMOVING MASS OF FINE PARTICLES SETTLED OR ACCUMULATED IN A DUCT OR PASSAGE THROUGH WHICH FINE PARTICLE-LADEN GAS FLOWS".

Applicant & Inventor : MONOJ KUMAR CHOUDHURY, C/o. MR. A. C. DAS, OF 6A, BALLYGUNGE PLACE, CALCUTTA-700019, WEST BENGAL, INDIA.

Appl cation No. 385/Cal/91 filed on 23rd May, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

An apparatus for removing mass of fine particle settled or accumulated in a duct or passage through which fine particle-laden gas flows, without interrupting or disturbing the operation of the plant, so that the duct can be kept clean for its normal operation, said apparatus comprising in combination—

(i) means for dislodging settled or accumulated particles of dust selected from a group of equipments such as herein described;

(ii) said means being connected to or fitted with devices for removing the dislodged particles for transportation, removal and storage, said devices being as described herein described;

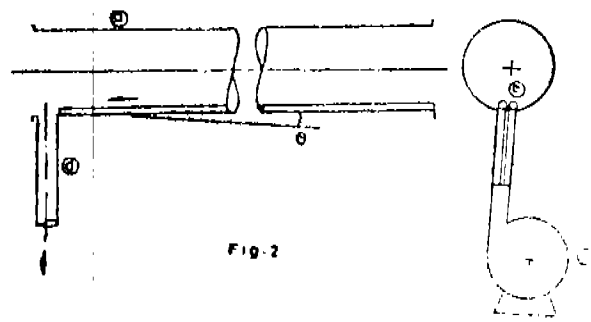


Fig. 2

Compl. Specn. 12 pages.

Drngs. 2 sheets

Cl. : 98 G.

175050

Int. Cl.[4] : F 28 F 3/08.

"PLATE HEAT EXCHANGER".

Applicant : ALFA-LAVAL THERMAL AB, A SWEDISH COMPANY OF P. O. BOX 74, S-221 00 LUND, SWEDEN.

Inventor : LEIF HALLGREN.

Application No. 658/Cal/91 filed on 3rd September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta.

6 Claims

Plate heat exchanger for evaporating a fluid, comprising a number of towards each other abutting heat transfer plates (1, 2), delimiting flow spaces between each other and being provided with corrugation pattern in the shape of ridges and grooves, said ridges abutting each other in the flow spaces and forming a number of supporting points between adjacent heat transfer plates (1, 2), wherein alternate flow space forms a passage (4) for said fluid and remaining flow spaces form passages (7) for a heating fluid, each passage having an inlet and an outlet, characterized in that at least alternate heat transfer plate has number of zones (17, 18, 19), with different corrugation pattern, arranged after each other along the flow path of the fluid in each of the passages (4) therefor,

and that said ridges and grooves of the heat transfer plates are directed in such a way that they, in each passage (4) for the fluid, cooperate to provide a flow resistance to the fluid and generated vapour, which decreases gradually along essentially the entire passage from its inlet to its outlet.

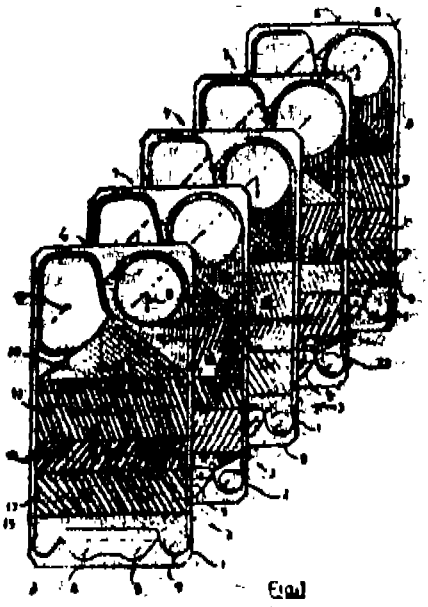


Fig.1

Compl. specn. 12 pages. Drngs. 3 sheets

Ind. Class : 172-D_1 175051

Int. Cl.[4] : D 01 G 23/00.

A DEVICE FOR CONVEYING TEXTILE MATERIAL SUCH AS SLIVER, YARN AND THE LIKE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors (1) DR. URS MEYER, (2) NIKLAUS GARTENMANN.

Application No. 834/MAS/89 filed November 9, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A device for conveying textile material such as sliver, yarn and the like, contained in a receptacle from at least one delivering station (K1 to K3) to at least one receiving station (S1, S2), comprising a self propelled conveying carriage (F) guided on guide track (1) and controlled by a central control until (Z) connected to the said delivering station and to the said receiving station, means for returning the emptied receptacle from the receiving station to the delivering station, wherein the said delivering stations and the receiving stations are disposed in parallel rows opposite to each other, the said carriage moving between the rows on said guide track parallel thereto, a closed guide track loop to enable the said conveying carriage to be guided outside the respective rows; a control station (L) for transmission of routing instructions for the conveying carriage (F), the said control station (L) having means for checking the contents and conditions of the said receptacles and means for exchanging, recharging, and checking power supply for the said device.

(Com.—18 pages; Drgns. 3 sheets)

Ind. Cl. : 172 D 1 175052

Int. Cl.[4] : D 01 G 23/00

AN APPARATUS FOR AUTOMATICALLY CONVEYING TEXTILE MATERIAL SUCH AS SLIVER, YARN AND THE LIKE.

Applicant : MASCHINENFABRIC RIETER AG A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : DR. URS MEYER,
NIKLAUS GARTENMANN.

Application No. 846/MAS/89 filed on 21st November, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Madras.

13 Claims

An apparatus for automatically conveying textile material such as sliver, yarn and the like contained in a receptacle (7, 8, 58) from a textile material delivering machine (K1 to K4) to a textile material receiving machine (S1, S2) comprising a self propelled conveying carriage (F), a central control unit (Z) for controlling the movement of the said conveying carriage (F); the said central control unit (Z) being conneced to the textile material delivering machines (K1 to K4) and to the textile material receiving machines (S1, S2) to receive control signals and a checking station (L) located on the path of the said conveying carriage (F) from the textile material receiving machine (S1, S2) to the textile material delivering machine (K1 to K4) to monitor the content and/or condition of the or each receptacle (58) on the carriage (F) providing control signals relating to the content and/or condition of the each receptacle to the control unit (Z) wherein the said receptacle has a cap plate (43) with a spring biasing (44) for placing the textile material.

(Complete specification : 20 pages; drgs. : 4 sheets)

Ind. Class : 172-D_2 175053

Int. Cl.[4] : D 01 H 9/08

A RING SPINNING MACHINE.

Applicant : MACHINENFABRIK RIETER AG., BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors : (1) WERNLI JORG
(2) ALIESCH ROBERT
(3) VONTOBEL HANS-ULRICH
(4) ANDRE JUNOD
(5) RIMMELE KARL.

Application No. 843/MAS/89 filed November 17, 1989.

Appropriate Office for Opposition proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A ring spinning machine, comprising at least one row of adjacent spinning stations (11) and an endless conveyor (17) associated with said row of spinning stations (11) and to which bobbin pegs (13) for receiving full and empty bobbins are attached, which viewed in the conveying direction of the endless conveyor (17) assumes an exact position on the endless conveyor (17) in order to come into alignment in a predetermined bobbin change position of the endless conveyor (17) with a spinning point or spindle (11) and thus ensure perfect bobbin transfer from or to the bobbin peg (13), wherein the endless conveyor (17) preferably tensionable in its longitudinal direction is divided in the longitudinal direction into various sections (17', 17") which

are connected by locks (89') of variable lengths or locks (89) replaceable by locks of different length in such a manner that a plurality of bobbin pegs (13) arranged on a section (17') can be aligned exactly with the associated spinning points (11) or bobbin support arrangements in the bobbin change position of the endless conveyor (17) by varying the length of the locks (89') provided at one or both ends of the conveyor or by inserting locks (89) of different length at one or both ends of the conveyor.

(Com. 19 pages; Drwgs. 2 Sheets)

Ind. Cl. : 165 C 175054

Int. Cl.[4] : D 05 B 27/04, 29/00

A MATERIAL PRESSER DEVICE FOR A SEWING MACHINE.

Applicant : MEFINA SA OF BOULEVARD DE PEROLLES 5, 1700 FRIBOURG, SWITZERLAND A SWISS COMPANY.

Inventors : ANTONIO JIMENEZ.

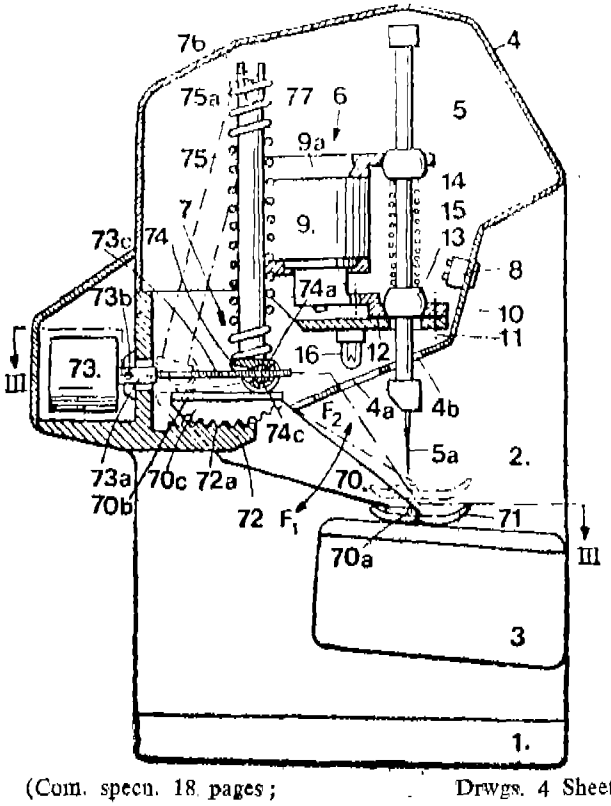
MICHEL COMBEPINE.

Application No. 856/MAS/89 filed on 23rd November, 1989.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Petent Office Branch, Madras.

12 Claims

A material presser device for a sewing machine comprising a tilting lever having first and second ends ; a presser foot mounted to said first end of said tilting lever; and an actuating device for moving said tilting lever selectively into at least two angular end position, one of said end positions being a low position wherein said presser foot is applied to a material to be sewn, the other of said end positions being a high position wherein said foot is spaced from the material, said second end of said tilting lever having rolling member for resting on a guide ramp, at least one of profile of said ramp and a profile of a portion of said rolling member in contact at each instant with said ramp being such that when said tilting lever is moved from one of said at least two angular end position to the other of said at leaset two angular end positions, the presser foot moves along a substantially vertical path.



(Com. specn. 18 pages; Drwgs. 4 Sheets)

Ind. Class : 165-C 175055

Int. : Cl.[4] : D05 B 3/00.

SEWING MACHINE.

Applicant : MEFINA S A, OF BOULTVARD DE PEROLLES 5, 1700 FRIBOURG, SWITZERLAND, A SWISS COMPANY.

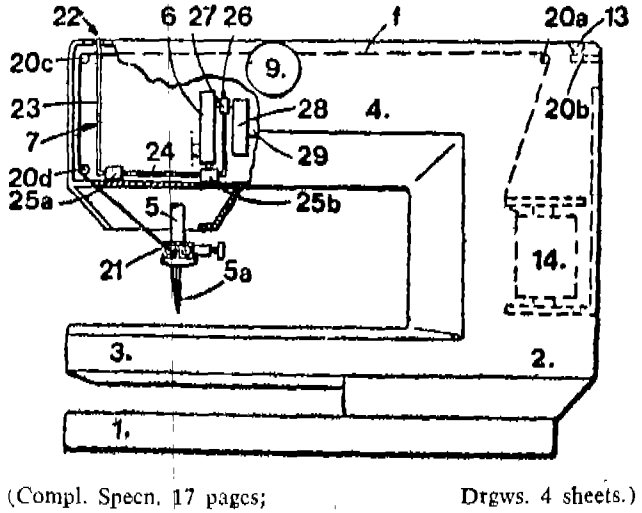
Inventors : (1) ANTONIO JIMENEZ
(2) MICHEL COMBEPINE.

Application No. 857/MAS/89 field November 23, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A sewing machine, having a casing with a support for a sewing thread spool and comprising a base, a column placed on said base and carrying an arm projecting laterally and extending above said base, said arm having at least a needle bar provided with a sewing needle, a mechanism for driving said needle bar in an axial reciprocating motion, firstmeans defining a path for thread taken from said spool to the sewing needle, a thread tension device having second means for pinching the thread at a first intermediate point of said path, a thread fightening means disposed in a receptacle of said arm and having take-up rocking lever having a hooked portion, and third means controlling the rocking movement of said lever from a first end position to a second end position and vice versa in synchronism with axial motion of said needle bar, said arm of the casing having a lower face from which said needle bar projects, an upper face opposed to the lower face, first and second lateral faces joining said upper and lower faces of the arm, respectively, and a frontal face located at a free end of the arm, edges of said frontal face being defined by said upper, lower and lateral faces of the arm, said first means having devices for guiding the thread between said spool and a first zone of said upper face of the arm coorresponding to said first intermediate point of said path for thread, and a first channel receiving thread emerging from said thread guide devices and having a first and a second channel segment, said channel segments being contiguous and extending one within the extension of the other said first channel segment extending on said upper face said arm, between said first zone of said upper face and said frontal face of the arm, and said second channel segment extending on said frontal face of the arm, from a first edge of said frontal face adjacent to said upper face of said arm, to a second edge of said frontal face, adjacent to said lower face of said arm, said pinching means being disposed at least partly inside said first channel segment, on said first zone of said upper face of said arm, at least a portion of the wall of said receptacle and at least a portion of the wall of the first channel segment being common to said receptacle and said first channel, said first channel segment communicating with said receptacle via a connecting window cut in said first wall portion of said first channel segment, and thread tightening means being disposed in said receptacle of said arm.



(Compl. Specn. 17 pages; Drgws. 4 sheets.)

Ind. Cl. : 40 C 175056

Int. Cl.[4] : C 01 B 33/14.

A STABILIZER-FREE, NON-DILATANT, STABLE AQUEOUS COLLOIDAL DISPERSION OF FUMED SILICA AND A PROCESS FOR PRODUCING THE SAME.

Applicant : CABOLT CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 950 WINTER ST., P.O. BOX 9073, WALTHAM, MA 02254-9073, U.S.A.

Inventor : HECTOR COCHRANE.

Application No. 912/MAS/89 filed on 11th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

18 Claims

A stabilizer-free, non-dilatant stable aqueous colloidal dispersion of fumed silica which do not gel for a period of at least two hours and having a viscosity of below 1000 centipoise, the said colloidal dispersion comprises at least 35% by weight of fumed silica having a surface area of less than 75 square meters per gram dispersed in water.

(Compl. Specn. 23 pages; Drgs. Nil)

Ind. Cl. : 168-c & 206-E 175057

Int. Cl.[4] : H 03 F 1/26
H 04 B 15/00.

AN APPARATUS FOR REDUCING NOISE ON A SIGNAL ENCODABLE ON A PLURALITY OF PREDETERMINED LEVELS.

Applicant : JS TELECOM, A FRENCH COMPANY ORGANIZED UNDER THE LAWS OF FRANCE, OF 36-38 RUE DE LA PRINCESSE 78430 LOUVECIENNES, FRANCE.

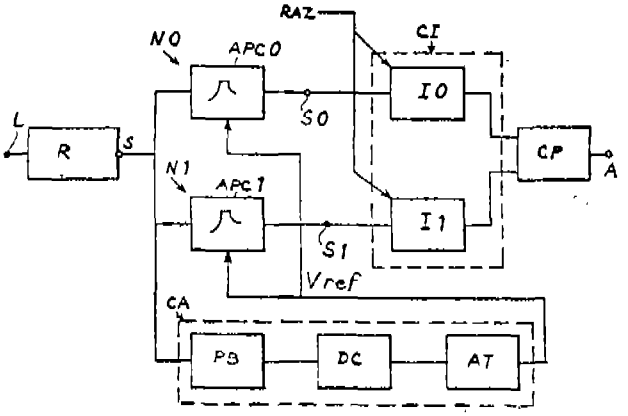
Inventor : MICHEL L. LE COMTE.

Application No. 214/MAS/90 filed March 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

An apparatus for reducing noise on a signal encodable on a plurality of predetermined levels by filtering a periodic digital signal having N logic levels with noise superposed thereon, N being not less than 2, wherein the instantaneous probability of each logic level is converted into the form of N signals each having a maximum amplitude when the modulated value of the received instantaneous signal is equal to the normal value for said logic level, which amplitude falls off due to the application of a weighting coefficient whenever the received intantaneous value moves away from the normal value of said logic level the succession of said amplitudes relating to each looked-for logic level being integrated over the duration of an elementary modulation period in the received digital signal, with the recognized logic level being that which corresponds to the largest value integral, the said apparatus comprising as many amplitude filter paths to which the noise disturbed signal is applied as there are code levels in the signal, each path comprising an amplifier whose response curve as a function of the modulated value of the input signal has a maximum for the input value being equal to the level under consideration, and falls off monotonically on either side of the maximum, an integrator circuit for integrating the filtered signals from said amplifiers; and a comparator circuit for comparing the integrated signals and indicating, at the end of each elementary period in the signal code, which one of the code levels is the most probable for the signal over said period.



(Compl. 25 pages; Drwgs. 7 sheets)

Ind. Cl. : 152-E 175058

Int. Cl.[4] : C 08 L 27/00 ; 31 00.

A METHOD FOR PREPARING A FOAMABLE POLYMERIC MATERIAL CAPABLE OF BEING CHEMICALLY EMBOSSED.

Applicant : CONGOLEUM CORPORATION, OF CORPORATE CENTER 1, 989 LENOX DRIVE, LAWRENCEVILLE, NEW JERSEY 08648, UNITED STATES OF AMERICA, A DELAWARE CORPORATION.

Inventor : RUDOLF FRISCH.

Application No. 237/MAS/92 filed April 22, 1992.

Divisional to Patent Application No. 690/MAS/88 Antedated to October 4, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A method for preparing a foamable polymeric material capable of being chemically embossed comprising the steps of providing a foamable polymeric material comprising a resin such as hereindescribed, a blowing agent such as herein described capable of effecting expansion of said material at elevated temperature, and an accelerator such as hereindescribed for said blowing agent; applying a water-based embossing composition comprising the blowing agent such as hereindescribed, 10 to 40% by weight of a film-forming resin such as hereindescribed dissolved or dispersed in said composition, 3 to 40% by weight of a modifier such as hereindescribed for modifying the activity of the blowing agent comprising particulate solids having a solubility of not more than 3% by weight at room temperature and uniformly dispersible in the embossing composition and having an average particle size of not greater than 100 microns, 0 to 45% by weight of a colorant, 0 to 5% by weight of a softening agent such as hereindescribed and 10 to 40% by weight of water to predetermined portions of the surface of the said foamable polymeric material and drying the applied embossing compositoin to obtain the foamable polymeric material capable of being chemically embossed.

(Com. 41 pages)

Ind. Cl. : 55 F 175059

Int. Cl.[4] : A 61K 40/00.

A PROCESS FOR PREPARING A REAGENT USEFUL IN DIAGNOSTIC IMAGING BY NUCLEAR MAGNETIC RESONANCE (NMR).

Applicant : BRACCO SpA, ITALIAN COMPANY OF VIA E FOLLI, 501, MILANO, ITALY.

Inventors :

ANDREA GIOVAGNONI.
PAOLA ERCOLANI.
CHRISTOPH DE HAEN.
FRIEDRICK CAVAGNA.

Application No. 710/MAS/92 filed on 26th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

12 Claims

A process for preparing a reagent useful in diagnostic imaging by nuclear magnetic resonance of the gastro intestinal tract, the bladder, and the cavities of the female reproductive organs with T_2 weighted sequences comprising the steps of :

(1) salifying, complexing or chelating paramagnetic metal ions selected from elements having atomic numbers of from 21 to 29, 42, 44 and from 57 to 83 with physiologically tolerable organic/inorganic ions, ligands or chelants in the conventional manner,

(2) dissolving the said salt, complex or chelant in water such that the concentration of said salt, complex or chelant is 0.01 to 0.8 times more than the concentration required to give the highest water signal if the imaging is carried out in the T_1 weighted sequence of the same compound.

(Compl. Specn. 28 pages; Drgns. 7 sheets)

Ind. Cl. : 172-C4 175060

Int. Cl.* : D 01 H 5/00 ; 5/18.

A FEED TABLE FOR FEEDING SLIVERS TO A TEXTILE PROCESSING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors :

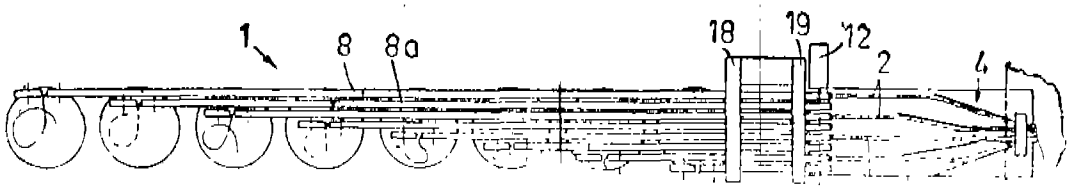
(1) DR. URS MEYER.
(2) NIKLAUS GARTENMANN.

Application No. 708/MAS/89 filed September 25, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

22 Claims

A feed table for feeding silvers (2) to a textile processing machine through conveyor comprising individual conveyor belts associated with each sliver and each reserve sliver (7), a first drawing off means (10) for drawing slivers from spinning cans (9) reserve cans provided with reserve slivers maintained in a standby position by way of a second drawing off means (10a), control means for drawing sliver from the said reserve can in the event of fibre breakage or sliver run out, and means for automatically forming the reserve sliver with the run out sliver, each of the said conveyor belts (8, 8a) being provided with controllable drive means.



(Compl. 19 pages; Drwgs. 3 sheets)

PATENT SEALED ON 24-3-95

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Cal-17, Del-07, Bom-13 & Mas-12.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent

RENEWAL FEES PAID

151711 152845 154977 155244 155958 156023 156173 156586 156623 156747 156936 157175 157760 157901 158157 158159 158200 158258 158407 158632 158749 158919 159631 159936 159938 159942 160238 160322 161017 161099 161517 161965 161967 162003 162004 162031 162390 162721 162722 162837 162973 163015 163205 163295 163347 163499 163504 163547 163602 163607 163728 163987 164061 164062 164298 164385 164735 164870 165598 165800 165826 165989 166336 166400 166496 166506 166507 166508 166533 166564 166675 166781 166785 166801 166811 166813 166910 167449 167778 167788 168097 168098 168099 168130 168223 168402 168425 168436 168439 168564 168777 168786 168788 168841 168885 168886 168933 168972 169103 169198 169282 169291 169312 169428 169629 169839 169912 169931 169971 170268 170292 170295 170359 170371 170409 170411 170421 170491 170497 170498 170514 170516 170517 170534 170571 170753 170990 171006 171036 171074 171076 171183 171327 171329 171520 171532 171566 171573 171579 171686 171762 171763 171970 172032 172148 172181 172237 172441 172455 172458 172488 172572 172577 172642 172643 172679 172775 172777 172778 172801 172809 172810 172812 172814 172815 172816 172829 172833 172845 172846 172909 172936 172938 172954 172955 173011 173060 173094 173137 173194 173203 173217 173247 173248 173273 173274 173277 173281.

CESSATION OF PATENTS

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REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the sach entries is the date of the registration included in the entries.

Class 3. No. 166661 & 166662, Esslinger Hartmut, a German citizen of Grenzweg 33, D 72213 Altensteig, Germany, "ACTIVE LOUDSPEAKER", 5th January 1994.

Class 3. No. 166663 & 166664, Esslinger Hartmut, a German citizen of Grenzweg 33, D 72213 Altensteig, Germany, "DESKTOP COMPUTER", 5th January 1994.

Class 3. No. 167542, C. Lal Electrical and Mechanical, an Indian firm of 14 Industrial Estate Ambala City 134002, Haryana, India and whose proprietor is Mr. Rajinder Nath, "SWEEPER BLADE FOR A FOOD PROCESSOR", 20th May 1994.

Class 3. No. 167543, C. Lal Electrical and Mechanical, an Indian firm of 14 Industrial Estate Ambala City 134002, Haryana, India and whose proprietor is Mr. Rajinder Nath, "SWEEPER BLADE WITH HANDLE FOR FOOD PROCESSOR", 20th May 1994.

Class 3. No. 167696, Kewalraj & Company Pvt. Ltd. an Indain company fo E 3 Cuffe Castle, Cuffe Parad, Bombay 400005, State of Maharashtra, India, "TOOTH BRUSH", 23rd June 1994.

Class 3. No. 167697 to 167699, Kewalraj & Company Pvt. Ltd. an Indian Company fo E 3 Cuffe Castle, Cuffe Parad, Bombay 400005, State of Maharashtra, India, "TOOTH BRUSH", 24th June 1994.

Class 3. No. 166849, Parker Pen (benelux) B.V., a Dutch Company, of P O Box 2037, 4800 CA Breda, The Netherlands, "FOUNTAIN PEN", 17th August 1993 (Priority date).

Class 3. No. 166850, Parker Pen (benelux) B.V., a Dutch Company of PO Box 2037, 4800 CA Breda, The Netherlands, "BALL PEN", 17th August 1993 (Priority date).

Class 3. No. 166851, Parker Pen (benelux) B.V., a Dutch Company, of P O Box 2037, 4800 CA Breda, The Netherlands, "PENCIL", 17th August 1993 (Priority date).

Class 3. No. 167105 & 167117, Swiss Health Foods Pvt. Ltd., Baroda Padra Highway Road, Near Ceramics Nagar, Padra 391440, Maharashtra, India, "BOX", 28th March 1994.

Class 3. No. 166934, Moona Plastic Industries, K. C. Industrial Estate, Subhash Marg, Jogeshwari East, Bombay 400060, Maharashtra, India, an Indain partnership firm, "CONTAINER", 9th March 1994.

Class 3. No. 167144, Moona Plastic Industries, K. C. Industrial Estate, Subhash Marg, Jogeshwari East, Bombay 400060, Maharashtra, India, an Indian partnership firm, "CONTAINER", 4th April 1994.

Class 3. No. 167568, Rajdeep Plastics, an Indian Partnership firm of 17 Jamnadas Industrial Estate, OPP. Jawahar Talkies, Dr. R.P. Road, Mulund (W), Bombay 400080, Maharashtra, India, "A LID OF A DRUM", 27th May 1994.

Class 3. No. 167734, Boston Appliances, A 27, 1st floor, Kiran Industrial Estate, M.G. Road, Goregaon (W), Bombay 400062, Maharashtra, India(Proprietory concern, "BLADE" 1st July 1994.

Class 3. No. 166817, Kapable Bangales, an Indian Partnership firm carrying on business at 7 Bharat compound, Churiwadi Ind. Estate, Goregaon East, Bombay 63, Maharashtra, India, "CAKE SERVER", 9th February 1994.

Class 3. No. 166903, Hindustan Lever Limited 165/166 Backbay Reclamation, Bombay 400020, Maharashtra, India, "CONTAINER", 26th August 1993 (Priority date).

Class 3. No. 166916, Uparjan Trading Pvt. Ltd. 171, Sukhdev Vihan, New Delhi, India, "HANGER", 7th March 1994.

Class 3. No. 167605, Siddharth Plastics, 15-8-390/5, Begum Bazar, Hyderabad 500012, A.P., India, an Indian partnership firm, "HAND FAN", 7th June 1994.

R. A. ACHARYA
Controller General of Patent, Design & Trade Marks

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